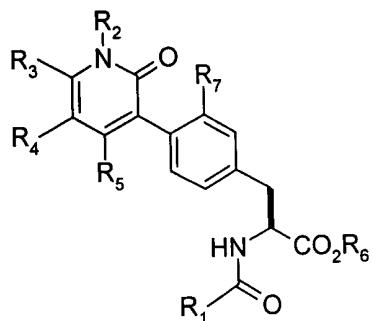
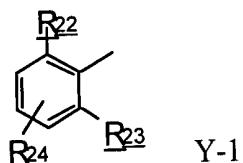


Claims:

1. A compound of the formula:



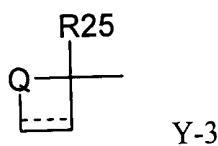
wherein R<sub>1</sub> is a group of the formula Y-1



wherein R<sub>22</sub> and R<sub>23</sub> are independently hydrogen, lower alkyl, lower alkoxy, cycloalkyl, aryl, arylalkyl, nitro, cyano, lower alkylthio, lower alkylsulfinyl, lower alkyl sulfonyl, lower alkanoyl, halogen, or perfluorolower alkyl and at least one of R<sub>22</sub> and R<sub>23</sub> is other than hydrogen, and R<sub>24</sub> is hydrogen, lower alkyl, lower alkoxy, aryl, nitro, cyano, lower alkyl sulfonyl, or halogen; or

R<sub>1</sub> is a group of the formula Y-2, which is a five or six membered heteroaromatic ring bonded via a carbon atom to the amide carbonyl wherein said ring contains one, two or three heteroatoms selected from the group consisting of N, O and S and one or two atoms of said ring are independently substituted by lower alkyl, cycloalkyl, halogen, cyano, perfluoro lower alkyl, or aryl and at least one of said substituted atoms is adjacent to the carbon atom bonded to the amide carbonyl; or

R<sub>1</sub> is a group of the formula Y-3 which is a 3-7 membered ring of the formula:



wherein R<sub>25</sub> is lower alkyl, unsubstituted or fluorine substituted lower alkenyl, or a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, R<sub>26</sub> is aryl, heteroaryl, azido, cyano, hydroxy, lower alkoxy, lower alkoxycarbonyl, lower alkanoyl, lower alkylthio, lower alkyl sulfonyl, lower alkyl sulfinyl, perfluoro lower alkanoyl, nitro, or R<sub>26</sub> is a group of formula -NR<sub>28</sub>R<sub>29</sub>, wherein R<sub>28</sub> is hydrogen or lower alkyl, R<sub>29</sub> is hydrogen, lower alkyl, lower alkoxycarbonyl, lower alkanoyl, aroyl, perfluoro lower alkanoylamino, lower alkyl sulfonyl, lower alkylaminocarbonyl, arylaminocarbonyl; or R<sub>28</sub> and R<sub>29</sub>, taken together with the attached nitrogen atom, form a 4, 5 or 6-membered saturated heterocyclic ring optionally containing one additional heteroatom selected from O, S, and N—R<sub>40</sub>.

Q is -(CH<sub>2</sub>)<sub>f</sub>O-, -(CH<sub>2</sub>)<sub>f</sub>S-, -(CH<sub>2</sub>)<sub>f</sub>N(R<sub>27</sub>)-, -(CH<sub>2</sub>)<sub>f</sub>-,

R<sub>27</sub> is H, lower alkyl, aryl, lower alkanoyl, aroyl or lower alkoxycarbonyl,

R<sub>40</sub> is H, lower alkyl, aryl, lower alkanoyl, aroyl or lower alkoxycarbonyl, the carbon atoms in the ring are unsubstituted or substituted by lower alkyl or halogen,

e is an integer from 0 to 4, and f is an integer from 0 to 3;

R<sub>2</sub> is hydrogen, lower alkyl, substituted lower alkyl, aryl, or aryl lower alkyl;

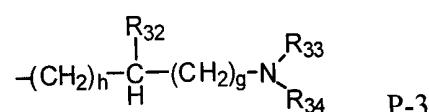
R<sub>3</sub> is hydrogen, halogen, lower alkyl, trifluoromethyl, or aryl;

R<sub>4</sub> is hydrogen, halogen, lower alkyl, or aryl;

R<sub>5</sub> is hydrogen, lower alkyl, lower alkoxy, or trifluoromethyl, or OH;

R<sub>6</sub> is hydrogen, lower alkyl, lower alkylcarbonyloxy lower alkyl,

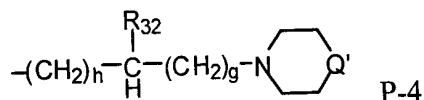
or R<sub>6</sub> is a group of formula P-3:



wherein:

R<sub>32</sub> is hydrogen or lower alkyl; R<sub>33</sub> is hydrogen, lower alkyl, aryl; R<sub>34</sub> is hydrogen or lower alkyl; h is an integer from 0 to 2; g is an integer from 0 to 2; the sum of h and g is 1 to 3; or

R<sub>6</sub> is a group of formula P-4:



wherein: R<sub>32</sub>, g, and h are as previously defined; Q' is O, S, -(CH<sub>2</sub>)<sub>j</sub>-, or a group of the formula N-R<sub>35</sub>; wherein R<sub>35</sub> is hydrogen, lower alkyl, lower alkanoyl, lower alkoxy carbonyl; j is 0, 1 or 2; and R<sub>7</sub> is hydrogen, chloro, lower alkoxy, or lower alkyl; or the pharmaceutically acceptable salts thereof.

2. A compound of claim 1 wherein Q is -(CH<sub>2</sub>)<sub>f</sub>O-, -(CH<sub>2</sub>)<sub>f</sub>S-, or, -(CH<sub>2</sub>)<sub>f</sub>-.
3. A compound of claim 2 wherein R<sub>5</sub> is hydrogen, lower alkyl, or trifluoromethyl.
4. A compound of claim 1 wherein R<sub>1</sub> is a group of the formula Y-1 wherein R<sub>22</sub> and R<sub>23</sub> are independently lower alkyl or halogen and R<sub>24</sub> is hydrogen.
5. A compound of claim 1 wherein R<sub>1</sub> is a group of the formula Y-1 wherein R<sub>22</sub> and R<sub>23</sub> are independently hydrogen, lower alkyl or halogen and R<sub>24</sub> is hydrogen, lower alkyl or lower alkoxy.
6. A compound of claim 5 wherein R<sub>22</sub> and R<sub>23</sub> are independently hydrogen, lower alkyl or halogen, R<sub>24</sub> is hydrogen or lower alkoxy and R<sub>2</sub> is aryl lower alkyl.

7. A compound of claim 1 wherein R<sub>1</sub> is a group of the formula Y-3 wherein R<sub>25</sub> a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, wherein R<sub>26</sub> is lower alkoxy, Q is -(CH<sub>2</sub>)<sub>f</sub>-, e is an integer from 0 to 4 and f is an integer from 0 to 3.
8. A compound of claim 1 wherein R<sub>1</sub> is a group of the formula Y-3 and R<sub>2</sub> is hydrogen, lower alkyl, substituted lower alkyl or aryl lower alkyl.
9. A compound of claim 8 wherein R<sub>1</sub> is a group of the formula Y-3 wherein R<sub>25</sub> is a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, wherein R<sub>26</sub> is lower alkoxy, Q is -(CH<sub>2</sub>)<sub>f</sub>-, e is an integer from 0 to 4, f is an integer from 0 to 3; and R<sub>2</sub> is aryl lower alkyl.
10. A compound of claim 1 wherein R<sub>2</sub> is hydrogen, lower alkyl or aryl lower alkyl; R<sub>3</sub> is hydrogen; R<sub>4</sub> is hydrogen or halogen; R<sub>5</sub> is hydrogen, lower alkyl, or trifluoromethyl, or lower alkoxy; R<sub>6</sub> is hydrogen or lower alkyl; and R<sub>7</sub> is hydrogen, chloro, lower alkoxy, or lower alkyl.
11. A compound of claim 10 wherein R<sub>1</sub> is a group of the formula Y-1.
12. A compound of claim 11 wherein R<sub>1</sub> is a group of the formula Y-1 wherein R<sub>22</sub> and R<sub>23</sub> are independently lower alkyl or halogen and R<sub>24</sub> is hydrogen or lower alkoxy.
13. A compound of claim 11 wherein R<sub>1</sub> is a group of the formula Y-1 wherein R<sub>22</sub> and R<sub>23</sub> are independently hydrogen, lower alkyl or halogen and R<sub>24</sub> is hydrogen, lower alkyl or lower alkoxy.

14. A compound of claim 13 wherein R<sub>1</sub> is a group of the formula Y-1 wherein R<sub>22</sub> and R<sub>23</sub> are independently hydrogen, lower alkyl or halogen, R<sub>24</sub> is hydrogen and R<sub>2</sub> is aryl lower alkyl.
15. A compound of claim 10 wherein R<sub>1</sub> is a group of the formula Y-2.
16. A compound of claim 10 wherein R<sub>1</sub> is a group of the formula Y-3.
17. A compound of claim 16 wherein R<sub>1</sub> is a group of the formula Y-3 wherein R<sub>25</sub> is a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, wherein R<sub>26</sub> is lower alkoxy, Q is -(CH<sub>2</sub>)<sub>f</sub>—, e is an integer from 0 to 4 and f is an integer from 0 to 3.
18. A compound of claim 10 wherein R<sub>1</sub> is a group of the formula Y-3 wherein R<sub>25</sub> is a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, wherein R<sub>26</sub> is lower alkoxy, Q is -(CH<sub>2</sub>)<sub>f</sub>—, e is an integer from 0 to 4, f is an integer from 0 to 3, and R<sub>2</sub> is aryl lower alkyl.
19. A compound of claim 10 wherein  
R<sub>2</sub> is hydrogen, lower alkyl or aryl lower alkyl;  
R<sub>3</sub> is hydrogen;  
R<sub>4</sub> is halogen;  
R<sub>5</sub> is hydrogen;  
R<sub>6</sub> is hydrogen or lower alkyl; and  
R<sub>7</sub> is hydrogen, chloro, lower alkoxy, or lower alkyl.
20. A compound of claim 3 wherein R<sub>1</sub> is a group of formula Y-1 or a group of formula Y-3;  
R<sub>2</sub> is hydrogen, lower alkyl or aryl lower alkyl;  
R<sub>3</sub> is hydrogen, lower alkyl, or trifluoromethyl;  
R<sub>4</sub> is hydrogen or halogen;  
R<sub>5</sub> is hydrogen, lower alkyl, or trifluoromethyl;

R<sub>6</sub> is hydrogen, lower alkyl, lower alkylcarbonyloxy lower alkyl, a group of formula P-3; or a group of formula P-4, and  
R<sub>7</sub> is hydrogen or lower alkyl.

21. A compound of claim 20 wherein

R<sub>2</sub> is lower alkyl or aryl lower alkyl;

R<sub>6</sub> is hydrogen, lower alkyl, lower alkylcarbonyloxy lower alkyl, or a group of formula P-3; and

R<sub>7</sub> is hydrogen.

22. A compound of claim 21 wherein R<sub>22</sub> and R<sub>23</sub> are hydrogen, halogen or lower alkyl, R<sub>24</sub> is hydrogen or lower alkoxy, R<sub>25</sub> is a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, wherein R<sub>26</sub> is lower alkoxy, Q is -(CH<sub>2</sub>)<sub>f</sub>, e is an integer from 0 to 4 and f is an integer from 0 to 3.

23. A compound of claim 22 wherein R<sub>2</sub> is lower alkyl, R<sub>4</sub> is hydrogen, and R<sub>3</sub> and R<sub>5</sub> are lower alkyl or trifluoromethyl.

24. A compound of claim 23 where R<sub>6</sub> is hydrogen.

25. A compound of claim 24 wherein R<sub>1</sub> is Y-3.

26. A compound of claim 25 which is N-[[1-(2-methoxyethyl)cyclopentyl]carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine.

27. A compound of claim 23 wherein R<sub>6</sub> is lower alkyl.

28. A compound of claim 27 which is N-[(2,6-dichlorophenyl)carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine ethyl ester.

29. A compound of claim 27 which is N-[(2,6-dichlorophenyl)carbonyl]-4-[1,4-dimethyl-6-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine ethyl ester.
30. A compound of claim 27 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine ethyl ester.
31. A compound of claim 27 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-[1,4-dimethyl-6-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine ethyl ester.
32. A compound of claim 23 wherein R<sub>6</sub> is lower alkylcarbonyloxy lower alkyl.
33. A compound of claim 32 which is N-[(2,6-dichlorophenyl)carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 1-(acetoxy)ethyl ester.
34. A compound of claim 32 which is N-[(2,6-dichlorophenyl)carbonyl]-4-[1,4-dimethyl-6-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 1-(acetoxy)ethyl ester.
35. A compound of claim 32 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 1-(acetoxy)ethyl ester.)
36. A compound of claim 32 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-[1,4-dimethyl-6-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 1-(acetoxy)ethyl ester.
37. A compound of claim 23 wherein R<sub>6</sub> is a group of formula P-3 wherein R<sub>32</sub> is hydrogen; R<sub>33</sub> and R<sub>34</sub> are lower alkyl; one of g and h is 1 and the other is 0.
38. A compound of claim 37 which is N-[(2,6-dichlorophenyl)carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 2-[(N,N-diethyl)amino]ethyl ester.

39. A compound of claim 37 which is N-[(2,6-dichlorophenyl)carbonyl]-4-[1,4-dimethyl-6-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 2-[(N,N-diethyl)amino]ethyl ester.
40. A compound of claim 37 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-[1,6-dimethyl-4-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 2-[(N,N-diethyl)amino]ethyl ester.
41. A compound of claim 37 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-[1,4-dimethyl-6-(trifluoromethyl)-2-oxo-3-pyridinyl]-L-phenylalanine 2-[(N,N-diethyl)amino]ethyl ester.
42. A compound of claim 22 wherein R<sub>6</sub> is hydrogen.
43. A compound of claim 42 wherein R<sub>2</sub> is lower alkyl; R<sub>3</sub> is hydrogen; R<sub>4</sub> is hydrogen or halogen; and R<sub>5</sub> is hydrogen or lower alkyl.
44. A compound of claim 43 wherein R<sub>1</sub> is Y-1.
45. A compound of claim 44 wherein R<sub>22</sub> and R<sub>23</sub> are lower alkyl or halogen, and R<sub>24</sub> is hydrogen.
46. A compound of claim 45 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-(5-chloro-1-methyl-2-oxo-3-pyridinyl)-L-phenylalanine.
47. A compound of claim 45 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-(1-methyl-2-oxo-3-pyridinyl)-L-phenylalanine.
48. A compound of claim 45 which is N-[(2-chloro-6-methylphenyl)carbonyl]-4-(1,4-dimethyl-2-oxo-3-pyridinyl)-L-phenylalanine.

49. A compound of claim 44 wherein R<sub>22</sub> and R<sub>23</sub> are halogen, and R<sub>24</sub> is hydrogen.
50. A compound of claim 49 which is N-[(2,6-dichlorophenyl)carbonyl]-4-(1,4-dimethyl-2-oxo-3-pyridinyl)-L-phenylalanine.
51. A compound of claim 44 wherein R<sub>22</sub> and R<sub>23</sub> are halogen or hydrogen and R<sub>24</sub> is lower alkoxy.
52. A compound of claim 51 which is N-[(2-bromo-5-methoxyphenyl)carbonyl]-4-(1-methyl-2-oxo-3-pyridinyl)-L-phenylalanine.
53. A compound of claim 51 which is N-[(2-bromo-5-methoxyphenyl)carbonyl]-4-(5-bromo-1-methyl-2-oxo-3-pyridinyl)-L-phenylalanine.
54. A compound of claim 43 wherein R<sub>1</sub> is Y-3.
55. A compound of claim 54 which is 4-(5-chloro-1-methyl-2-oxo-3-pyridinyl)-N-[[1-(2-methoxyethyl)cyclopentyl]carbonyl]-L-phenylalanine.
56. A compound of claim 21 wherein R<sub>22</sub> and R<sub>23</sub> are halogen or lower alkyl, R<sub>24</sub> is hydrogen or lower alkoxy, R<sub>25</sub> is a group of formula R<sub>26</sub>—(CH<sub>2</sub>)<sub>e</sub>—, wherein R<sub>26</sub> is lower alkoxy, Q is -(CH<sub>2</sub>)<sub>f</sub>, e is an integer from 0 to 4 and f is an integer from 0 to 3.
57. A compound of claim 56 wherein R<sub>2</sub> is aryl lower alkyl; R<sub>3</sub> is hydrogen, R<sub>4</sub> is halogen, and R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are hydrogen.
58. A compound of claim 57 wherein R<sub>1</sub> is Y-1.
59. A compound of claim 58 which is 4-(1-Benzyl-5-chloro-2-oxo-3-pyridinyl)-N-[(2-chloro-6-methylphenyl)carbonyl]-L-phenylalanine.

60. A compound of claim 57 wherein R<sub>1</sub> is Y-3.
61. A compound of claim 60 which is 4-(1-Benzyl-5-chloro-2-oxo-3-pyridinyl)- N-[[1-(2-methoxyethyl)cyclopentyl]carbonyl]-L-phenylalanine.